

Commercial Vehicle CNG/ LPG - Plan

Clean Cities - Coordinator Conference Nov. 04, 2009 - Gatlinburg, TN. Rob Stevens - Chief Engineer



Agenda

- Introduction
- Product Plan CNG/ LPG
- 2010 MY E-Series CNG/ LPG
- 2011 MY Super Duty CNG/ LPG
- CNG/ LPG Communications
- Q&A



CNG/LPG - Product Plan

- Ford will be collaborating with upfitters to develop and manufacture products with CNG/ LPG engine prep packages
- Ford to offer a broad base of vehicles with CNG/ LPG engine prep packages for different upfit applications
- CNG/ LPG engine prep package will include harden valves & seats
- Final stage manufacturer or vehicle alterers are responsible for exhaust and evaporative emissions certificates and safety standards for CNG/ LPG upfits



CNG/LPG - Product Plan

- Body Builder Advisory Service will issue a QVM (Q185) bulletin with engine operating parameters required for CNG/ LPG upfits to retain Ford engine base warranty
 - Peak Cylinder Pressure
 - Exhaust Gas Port Temperature
 - Valve Temperature
 - Piston Temperature
 - Spark Plug Tip Temperature
- BAF technologies currently has a CNG system that meets the required engine parameters for 2010 MY E-Series with 5.4L and 6.8L engines
- Roush is presently working on meeting these requirements for Propane



E-Series - CNG/ LPG

 2010 MY E-Series - New CNG/ LPG Engine Prep Package on 5.4L/ 6.8L gas engines







2011 MY Super Duty

- 2011 MY Super Duty New 6.8L 3V V10
 CNG/ LPG Engine Prep Package on F-450/F-550
 Chassis Cabs only. (Available Summer 2010 CY)
- 2011 MY F53/59 Striped chassis with 6.8L V10





CNG/LPG - Communication

- Inform Upfitters & Customers of Reliability Benefits
 - Ford will warranty base engine, if upfitters comply with all of Ford conversion recommendations and guide lines
 - Detailed recommendations and guide lines can be found in the drop down menu under bulletins on the BBAS web-site QVM (Q185)
 - Companies that meet and/ or exceed Ford recommendation and guide lines will be listed on the BBAS web-site



CNG/LPG - Communication

- Publications
 - Fleet Publications Automotive Fleet, Work Truck, etc.
 - BBAS Web-Site Banners & Bulletins
- Dealership
 - Commercial Account Managers (CAM)
 - Weekly Fleet DNB
 - Truck Fleet Advisory Board (FAB)
 - Weekly NAM/ GAM Updates
- Media
 - Announced at the Texas State Fair Oct. 14, 2009
- Shows & Conferences
 - Fleet Events



Ford Truck Body Builder Advisory Service (BBAS) Web-Site



Web-Site: www.fleet.ford.com/truckbbas

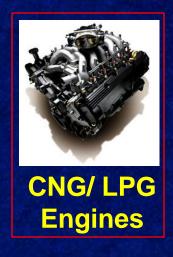


Customer Service & Support

- Ford Motor Company: www.ford.com
- Ford Fleet: www.fleet.ford.com
- Marketing & Sales Support Center: 1-877-TRK-LINE







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